FEMA FLOOD MITIGATION - TALOTAM LODGE
SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS
SURFACE WATER MANAGEMENT
PROJECT #WC3056

Snohomish County Officials

DIRECTOR OF PUBLIC WORKS
KELLY SNYDER, MPA

COUNTY ENGINEER
DOUGLAS W. MCCORMICK, P.E.

EXECUTIVE
DAVE SOMERS

COUNCIL MEMBERS
NATE NEHRING - DIST. 1
MEGAN DUNN - DIST. 2
STEPHANIE WRIGHT - DIST. 3
VACANT - DIST. 4
SAM LOW - DIST. 5

SHEET INDEX

<table>
<thead>
<tr>
<th>SHEET NAME</th>
<th>SHEET #</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER</td>
<td>1</td>
</tr>
<tr>
<td>EXISTING CONDITIONS</td>
<td>2</td>
</tr>
<tr>
<td>CRITICAL AREAS</td>
<td>3</td>
</tr>
<tr>
<td>DEMOLITION SITE PLAN</td>
<td>4</td>
</tr>
<tr>
<td>STORMWATER POLLUTION PREVENTION PLAN</td>
<td>5</td>
</tr>
<tr>
<td>PLANTING PLAN</td>
<td>6</td>
</tr>
<tr>
<td>DETAILS</td>
<td>7-8</td>
</tr>
</tbody>
</table>

LOCATION MAP
N.T.S.

VICINITY MAP
N.T.S.
CONSTRUCTION NOTES

1. DEMOLISH REMOVE LODGE, ACCESSORY DWELLING, GARAGE, SAUNA, WELL HOUSE, CATWALK BRIDGE, WATER TANK AS WELL AS ACCESSORY IMPROVEMENTS TO INCLUDE, BUT NOT LIMITED TO: RIVER ROCKS & CUMBLES FROM WALLS, PATHS, EXCAVATION ACTIVITIES MAY BE PLACED IN THE DISTURBED AREA AT THE BASE OF THE REMAINING SLOPE (S-6) TO ACT AS A LEVEL SPREADER FOR GROUND WATER.

2. REMOVE ROCKY SPACES, CONCRETE PATIO, CONCRETE WATER FEATURE IN SET IN SLOPE, AND CRUSHED ROCK STRUCTURES CONSTRUCTED INTO THE SLOPE.

3. REMOVE ALL INFRINGING SURFACES, INCLUDING CRUSHED ROCK AND CONCRETE STRUCTURES ON THE FOUR WESTERLY PARCELS, CRUSHED ROCK MAY BE STACKED AND RESTORATED ON THE EASTERN MOST PARCELS IN THE PARKING AREA TO BE LEFT FOR FUTURE SITE ACCESS AND MAINTENANCE.

4. PUMP ON SITE SEPTIC TANK, BACK-FILL WITH NON-POLLUTION GENERATING POROUS MATERIALS AND CRUSH IN PLACE.

5. REMOVE "TALOTAM" LODGE SIGN AND ENTRY WAY STRUCTURE, REPLACE WITH A CONCRETE CATTLE GATE SEPARATING SEWER TRAFFIC AND A 5' HIGH "T" GATE AT EQUAL HEIGHT TO THE CATTLE GATE. EACH SIDE OF GATE SHALL BE ATTACKED/ INSTALLED WITH A 4' X 6' POST SET IN CONCRETE TO A DEPTH OF 36" AND EACH GATE POST SHALL HAVE A WESTERN RED CEDAR OR BRONZE POST CAP TO PROTECT POST FROM COMPOST.

6. ONSITE UTILITIES SHALL BE REMOVED SUCH THAT THEY ARE VISIBLE FROM THE GROUND SURFACE. THE COUNTY WILL CONDUCT THE UTIL. DE-CONNECTIONS WITH SNOHOMISH PUD AND OTHER DRY UTILITY PROVIDERS.

7. CONTRACTOR SHALL REMOVE THE UTILITY POLES ON SITE SUCH THAT ALL DRY UTILITIES ARE REMOVED PRIOR TO THE FINAL INSPECTION BY THE COUNTY. SCALED AT THE CONTRACTORS REQUEST.

8. REMOVE LARGE FLY WHEEL PELTON WHEEL LOCATED BEHIND NORTH OF THE WELL HOUSE ALONG THE FENCE LINE.


10. THE CONTRACTOR SHALL PROTECT ALL TREES ON SITE, GREATER THAN 6" DIAMETER AT SHOULDER HEIGHT WITH THE EXCEPTION OF THOSE TREES MARKED WITH BLUE PAINT BY THE OWNERS OR DOCUMENTED AS A HAZARD TREE BY A LICENSED AND BONED ARBORIST.

11. MAINTAIN GRAVEL DRIVEWAY AT THE EASTERN SITE ENTRANCE WHERE IT IS PARALLEL WITH THE 1' HIGH B SIDEWALK TO THE SOUTH.

12. CONSTRUCT 300 LINEAL FEET OF WIRE FENCE AS DETAIL IN PLAN SET SHEET OF DETAILS ALONG THE WESTERLY PROPERTY LINE DESCRIBED IN NOTE #6.

13. REMOVE, THE GRAVEL DRIVEWAY ENCROACHMENT AND INFRINGING SURFACES ALONG THE WESTERN PARCLES OF PROPERTY. DISCONNECT TOOLS ON PLATES OF LOOSE TOPSOIL, AND OF ARBORIST MULCH THE GRIND OR SEED FREE STAY TO PREPARE AREA FOR NEW PLANTINGS IN THE FALL/WINTER TIME FRAME.

14. REMOVE 3' HIGH BOARD FENCE & 6' RAIL FENCE.
CONSTRUCTION NOTES

1. PLACE STRAW BALE'S (STAKED WITH TEE POSTS) Lineal Mulch Pile's. OR PREPARE Silt fence per Sno. Co. Public Works Standard Plans

2. PLACE ORANGE TENSAR RESOURCE PROTECTION FENCING BETWEEN DRIVEWAY AND SHORELINE OF THE SOUTH FORK STILLAGHAMSHAW RIVER

3. CREATE STRAW BALE MONUMENT MULCH HOE FUEL SITE STORAGE AREA (AND COVER DURING STORAGE WITH TEMP AND SAWDUST) TO REDUCE DEbris HEADING TRUCKING DURING THE DISPOSAL OF ON SITE DEBRIS TO TRANSFER STATIONS

4. PROJECT STEEP SLOPES, END OF SLOPE BORDERS, DURING SITE PLOW AND DEMOLITION ACTIVITIES (SEE ESC DETAILS SHEET)

5. PROJECT THE EXISTING TYPE 2 CATCH BASIN FROM STORM WATER HINTS BY PLACING A CONCRETE LID WITH A 32-ROUND FRAME AND MANHOLE COVERS. PLACE THE LID OF THE CATCH BASIN TO FACILITATE MAINTENANCE ACCESS AND WORKER SAFETY

6. CONSTRUCT A DEEP STORM WATER SEDIMENT TRAP BOTTOM 12" WIDE BY 20" LONG-NORTH SOUTH. LOCATED WEST OF THE DRIVEWAY BETWEEN THE DRIVEWAY AND THE ACCESORY DwELLING TO PROVIDE SETTLING OF Silty CONSTRUCTION SITE PLOWS DURING SITE DISTURBING ACTIVITIES

7. CONSTRUCT DEPRESSION TO DRAIN THE SEDIMENT TRAP BY VEGETATION. FILTERING TO THE SOUTH FORK STILLAGHAMSHAW RIVER. IF NATURAL SLOPES ARE NOT ALLOW TO ALLOW FOR A 1% SLOPE FROM THE SEDIMENT TRAP TO RIVER. EXCAVE A DRAINAGE DITCH WITH SLOPES, LINE THE DISTURBED SOILS WITH A NEEDLE PUNCHED PERMEABLE GEO-TEXTILE AND PLACE PEa GRAVEL IN THE BOTTOM OF THE TRENCH TO LEAK DOWN FABRIC AND FILTER WATER FLOWING THROUGH THE DRAINAGE SYSTEM

8. PLACE TWO 12' LONG SOFTWOOD POLES EMBEDDED INTO THE GROUND SURFACE TO PROVIDE A BRIDGE FOR THE EXCAVATOR ACCESS TO THE GUEST CABIN DURING STRUCTURE REMOVAL ACTIVITIES.

9. PLACE CATCH-BASIN INLET PROTECTION SODS OF FILTER FABRIC TO PICK UP FINE MATERIALS THAT MAY BE DISCONNECTED INTO THE EXISTING DRAINAGE SYSTEM BEFORE THE DRAINAGE SYSTEM IS DISCONNECTED. WHEN IT IS DISCONNECTED IT SHALL BE LEAVING BIODEGRADABLE FABRIC FILTER DOWN TO THE GROUND, SOILS SUCH THAT IT WILL NOT BECOME A FUTURE SINKHOLE CREATED BY GROUNDWATER FLOW OF SATURATED SOILS IN THE FUTURE

10. PRESERVE NATIVE VEGETATION

11. INSTALL WATER BAR PER PLAN DETAIL IF DRIVEWAY TERMINAL ABANDONMENT

12. CONSTRUCT 2ND SEDIMENT TRAP SPILLWAY @ RIVER BANK

13. CLEARING LIMITS

LEGEND

- CLEARING LIMITS
- STAKED STRAW BALE'S, MULCH OR SALT FENCE
- HIGH VIS ORANGE TENSAR PROTECTION FENCE
- ESC INLET PROTECTION

SITE ADDRESS
1711 116TH PL NE
ARLINGTON, WA 98223

PARCEL NUMBER
00551400004200, 00551400004300
30061101006000, 0062730002700

811
PRELIMINARY
60% SUBMITTAL
SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS
FEMA FLOOD MITIGATION TALTALOM LODGE
STORMWATER POLLUTION PREVENTION PLAN


DATE: 002090 0002 JUNE 2020

SURVEY NO. 30061101006000
FIELD BOOK NO. 0062730002700
PRELIMINARY PLAN
60% SUBMITTAL
REVIEWED AND APPROVED FOR CONSTRUCTION
PRELIMINARY SURVEY
DESIGNED BY: D. WILSON
SURVEYED AND APPROVED BY: C. HEMMERSCH
SOUTH FORK STILLAGUAMISH RIVER RIPARIAN PLANT

Establishment Plan

Native shrubs from the following list shall be installed at a 6' x 6' spacing between the river and the upland terrace of the lot to the north:

- Red Flowing Current
- Pacific Ninebark
- Scouler's Willow
- Beaked Filbert
- Snowberry
- Vine Maple
- Skunk Fern
- Deer Fern
- Oregon Grape
- Hoitka Rose
- Red Huckleberry

Native trees from this list shall be placed at a 12' x 12' spacing in open areas and a 20' x 20' spacing in areas with existing canopy from older trees:

- Western Red Cedar
- Red Alder
- Black Cottonwood
- Red Alder
- Black Alder
- Black Cottonwood
- Bitter cherry

Legend

Planting areas - 51,020 sq ft

Site Address

17115 118th Pl NE
Arlington, WA 98223

Parcel Number

0055140004200, 0055140004301
30811001000600, 00627300002700

PLANTING PLAN

Snohomish County Department of Public Works

FEMA Flood Mitigation
Talotam Lodge

Prepared and Approved For Construction

Prepared by: T. Chembich

Reference Sheet No.:

Drawing of Snohomich P.E.
Snohomish County Engineer

Date Prepared:

Funding No.:

PLANTING AREAS - 51,020 SQ FT
FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH 2' DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

FIBER ROLL (STRAW WATTLE) NOTES

CONIFER "CALL" LOGS MAY BE SUBSTITUTED FOR FIBER ROLL WHEN STAKED INTO SLOPE @ 75’ (UPHILL), 40’ (DOWNHILL)

SEDIMENT TRAP SPILLWAY NOTES

MIN 1' DEPTH 2"-4" ROCK
MIN 2" ROCK
MIN 1' DEPTH 3/4"-1.5" WASHED GRAVEL

SEDIMENT TRAP SPILLWAY NOTES

MIN 1' DEPTH 2"-4" ROCK
MIN 1' DEPTH 3/4"-1.5" WASHED GRAVEL

ARBORIST MULCH STRIPS NOTES

X = 1’ - 0" FOR SLOPES 4H:1V OR FLATTER
X = 1’ - 6” FOR SLOPES STEEPER THAN 4H:1V

DATE APPROVED: SNOHOMISH COUNTY ENGINEER REVIEWED AND APPROVED FOR CONSTRUCTION

SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS FEMA FLOOD MITIGATION TALOTAM LODGE EROSION AND SEDIMENTATION CONTROL DETAILS

PRELIMINARY 60% SUBMITTAL

DOUGLAS W. MCCORMICK, P.E. DESIGNED BY: D. WILSON DRAWN BY: T. HEMIRCH

DATE: JUNE 25, 2020 - 10:01 AM - SHEET NO. 11 OF 11 - FED. AID PROJ. NO. 60% SUBMITTAL FOR SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS TALOTAM LODGE - EROSION AND SEDIMENTATION CONTROL DETAILS - SHEET NO. 11 OF 11
**Typical Drainage Depression**

- **Section 11, T. 30 N, R. 6 E., W.M.**
- **Compact Surface Course with a 2-3% Cross Slope**
- **Proposed Grade Before Depression**
- **Depth of Depression May Vary to Ensure Positive Drainage**

**Trench Details**

- **Direction of Drainage**
- **Proposed Grade Before Depression**
- **Compact Surface Course**
- **Subgrade**

**Plan**

- **Continue the Depression Beyond the Trail Tread**
- **Direction of Drainage**
- **Trench of Compact Gravel and Finishes**
- **Outside Edge of Tread Drivoped, 24" Range, in Front of Bar, Dipped in Front of Bar, Rocks to be Buried as Shown, Tread Dipped in Front of Bar, Rocks Buried as Shown.**

**Compact Gravel and Finishes**

- **Small Stones and Gravel Placed on High Side of Water Bar**

**Geotech Level Spreader to Drain Details**

- **River Rock, Cobble, Boulder Coffin (On Site Materials Only)**
- **Proposed Ground**

**Section Plan**

- **Profile**
- **Rocks - Max Per Width**
- **Drapage Direction**
- **Outside of Tread Gravel, Drivoped, 24" Range, in Front of Bar**

**Fencing Detail**

- **Rigid Galvanized High Wire Fencing in a 4"x4" Grid**
- **8" - 60Lbs P.T. Post Embedded 2' into Ground**
- **2-40lbs Sack of Quick-Crete for Anchoring**

**Rock Water Bar**

- **Western Red Cedar or P.T. Lumber Frame**
- **See Construction Notes #9 on Sheet 4 of 8**

---

**Design and Construction Details**

- **DOUGLAS W. McCORMICK, P.E.**
- **SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS**
- **FEMA FLOOD MITIGATION**
- **EROSION AND SEDIMENTATION CONTROL DETAILS**

---

**June 29, 2020, 10:50 AM - 811-2D CADPRINT 1 DRAFT NAME: SPWP1P - PAGE 11 OF 11**

**Date Approved:**

**Reviewed and Approved for Construction:**

**FUNDING NO.:**

**SNOHOMISH COUNTY ENGINEER:**

**DESIGNED BY:**

**DRAWN BY:**

**SURVEY NO.:**

**FED. AID PROJ. NO.:**